

Substitute Form 1449A/PTO (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

DEC 08 2003

PATENT & TRADEMARK OFFICE

Sheet 1 of 9

Application Number: 10/648,025

Filing Date: August 26, 2003

First Named Inventor: Rajiv Ramaswami

Group Art Unit: 2872-2874

Examiner Name: Unassigned Healy

Attorney Docket Number: 3239P081D

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Issue/ Publication of Cited Document MM-DD-YYYY	Class	Subclass
		Number Code ²	Kind (if known)				
QWH		3,651,392		Frisch, et al.	3/21/1972	318	561
QWH		4,365,863		Broussaud	12/28/1982	385	18X
QWH		4,369,523		Seki, et al.	1/18/1983	455	601
QWH		4,437,190		Rozenwaig, et al.	3/13/1984	455	600
QWH		4,470,154		Yano	9/4/1984	455	607
QWH		4,519,670		Spinner, et al.	5/28/1985	350	96.15
QWH		4,530,566		Smith, et al.	7/23/1985	350	96.20
QWH		4,563,774		Gloge	1/7/1986	455	607
QWH		4,580,873		Levinson	4/8/1986	385	17X
QWH		4,612,670		Henderson	5/16/1986	455	607
QWH		4,634,239		Buhrer	10/6/1987	350	286
QWH		4,797,879		Habbab, et al.	1/10/1989	370	3
QWH		4,817,014		Schneider, et al.	3/28/1989	364	728.03
QWH		4,843,382		Oda, et al.	6/27/1989	455	601X
QWH		4,856,863		Sampsel, et al.	8/15/1989	325	18X
QWH		4,859,012		Chon	8/22/1989	385	18X
QWH		4,886,335		Yanagawa, et al.	12/12/1989	385	18X
QWH		4,897,830		Hill, et al.	1/30/1990	370	4
QWH		4,903,225		Brost	2/20/1990	375	96
QWH		4,982,446		Lord, et al.	1/1/1991	455	606

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Class	Subclass	T ^o
		Office ³	Number ⁴	Kind Code ⁵ (if known)					
QWH		WO	86/04205		PCT	07/17/86	H04G	11/02	
QWH		WO	86/05649		PCT	09/25/86	H04G	11/02	
QWH		WO	90/14734		PCT	11/29/90	H04N	7/22	
QWH		WO	91/01603		PCT	02/07/91	H04J	14/08	
QWH		WO	95/19689		PCT	07/20/95	H04G	11/08	
QWH		EP	0 674 457	A2	Fujitsu	09/27/95	385	24X	
QWH		EP	0 721 275	A2	EPO	12/28/95	H04M	3/36	

Examiner Signature: B. Healy

Date Considered: 6/15/04

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Burden: Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified)				Complete if Known				
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/648,025			
				Filing Date	August 26, 2003			
				First Named Inventor:	Rajiv Ramaswami			
				Group Art Unit	2872 2829			
				Examiner Name	Unassigned Healy			
Sheet 2 of 9	Attorney Docket Number		3239P081D					
U.S. PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Issue/ Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	CLASS	SUB-CLASS
		Number Code ²	Kind (If known)					
BWB		4,984,238		Watanabe, et al.	1/8/1991	370	105.1	
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BWB		5,157,652		Walker	10/20/1992	370	17	
BWB		5,216,729		Berger, et al.	6/1/1993	385	31	
BWB		5,253,274		Janniello, et al.	10/12/1993	375	121	
BWB		5,260,819		Hadifotiou, et al.	11/9/1993	359	10	
BWB		5,272,556		Faulkner, et al.	12/21/1993	359	125	
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BWB		5,349,550		Gage	9/20/1994	364	728.03	
BWB		5,355,238		Kight, et al.	10/11/1994	359	135	
BWB		5,359,683		Pan	10/25/1994	385	22	
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BWB		5,477,364		Pearson	12/19/1995	359	139	
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BWB		5,487,120		Choy, et al.	1/23/1996	385	24	
BWB		5,488,862		Neukermans, et al.	2/6/1996	73	501.2	
BWB		5,515,361		Li, et al.	5/7/1996	370	15	
BWB		5,521,732		Nishio	5/28/1996	559	120	
BWB		5,521,734		Frigo	5/28/1996	359	152	

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Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^o
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
BWB		EP	0 752 794	A2	EPO	01/08/97	H04Q	11/00
BWB		EP	0 759 681	A2	EPO	02/26/97	385	17X
BWB		EP	0 809 384	A2	EPO	05/20/97	H04L	29/14
BWB		WO	97/24822		PCT	07/10/97	H04B	10/08
BWB		EP	0 857 000	A2	EPO	01/30/98	H04Q	11/00
BWB		EP	0 647 457	A3	Fujitsu	05/13/98	H04Q	11/00
BWB		WO	98/54863		PCT	05/27/98	H04J	14/02

Examiner Signature	R. Healy	Date Considered	6/15/04
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First Named Inventor:	Rajiv Ramaswami
Group Art Unit	2872-2874
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BWB		5,524,153		Laor	6/4/1996	385	16	
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BWB		5,539,328		Mirov, et al.	7/23/1996	326	30	
BWB		5,570,371		Iga	10/29/1996	370	99	
BWB		5,608,735		McCullough, et al.	3/4/1997	370	51.3	
BWB		5,629,790		Neukermans, et al.	5/13/1997	359	148	
BWB		5,629,919		Hayashi, et al.	5/13/1997	369	112	
BWB		5,648,618		Neukermans, et al.	7/15/1997	73	862.08	
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BWB		5,694,389		Seki, et al.	12/2/1997	375	326	
BWB		5,699,463		Yang, et al.	12/16/1997	385	22	
BWB		5,719,903		Hiben, et al.	2/17/1998	375	322	
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BWB		5,729,527		Gerstel, et al.	3/17/1998	370	228	
BWB		5,745,274		Fatehi, et al.	4/28/1998	359	187	
BWB		5,774,604		McDonald	6/30/1998	385	18	
BWB		5,781,537		Ramaswami, et al.	7/14/1998	370	254	
BWB		5,793,746		Gerstel, et al.	8/11/1998	370	228	
BWB		5,801,863		Fatehi, et al.	9/1/1998	359	124	
BWB		5,825,877		Dan, et al.	10/20/1998	380	4	

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BWB		EP	0 849 906	A2	Fujitsu	06/24/98	385	24X	
BWB		EP	0 898 440	A2	EPO	02/24/99	H04Q	11/00	
BWB		GB	2347570	A	United Kingdom	03/03/99	H04J	14/02	
BWB		WO	99/13656		PCT	03/18/99	H04Q	3/52	
BWB		WO	99/18751		PCT	04/15/99	385	24X	
BWB		EP	0 910 138	A1	EPO	04/21/99	H01S	3/025	
BWB		EP	0 932 069	A1	EPO	07/28/99	G02F	1/09	

Examiner Signature

B. Healy

Date Considered

6/15/09

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Substitut f r F rm 1449A/PTO (Modified)

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Application Number	10/648,025
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Group Art Unit	2872 2824
Examiner Name	Unassigned Healy
Attorney Docket Number	3239P081D

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		Number Code ²	Kind (If known)				
BWD		5,825,949		Choy, et al.	10/20/1998	385	24
BWD		5,828,476		Bonebright, et al.	10/27/1998	359	152
BWD		5,864,643		Pan	1/26/1999	385	33
BWD		5,867,289		Gerstel, et al.	2/2/1999	359	110
BWD		5,892,606		Fatehi, et al.	4/6/1999	359	177
BWD		5,900,968		Srivastava, et al.	5/4/1999	359	341
BWD		5,903,687		Young, et al.	5/11/1999	385	17
BWD		5,915,063		Colbourne, et al.	6/22/1999	385	180
BWD		5,942,937		Bell	8/24/1999	329	303
BWD		5,960,132		Lin	9/28/1999	385	18
BWD		5,963,350		Hill	10/5/1999	359	127
BWD		5,970,201		Anthony, et al.	10/19/1999	385	140
BWD		5,978,113		Kight	11/2/1999	359	110
BWD		6,002,818		Fatehi, et al.	12/14/1999	385	17
		6,002,818		Fatehi, et al.	12/14/1999	385	16
BWD		6,005,993		MacDonald	12/21/1999	385	16
		6,005,993		MacDonald	12/21/1999	385	16
BWD		6,008,915		Zyskind	12/28/1999	359	110
BWD		6,009,220		Chan, et al.	12/28/1999	385	24
BWD		6,046,833		Sharma, et al.	4/4/2000	359	119

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	CLASS		T ³
		Office ³	Number ⁴	Kind Code ⁵ (If known)			Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
BWD		WO	99/40738		Tol Johannes Jacobus Gerardus	08/12/99	385	24x	
BWD		EP	0 938 244	A2	Fujitsu	08/25/99	1040	11/90	
BWD		WO	00/13210		PCT	09/09/99	6028	26/08	
BWD		WO	99/48323		PCT	09/23/99	1048	11/08	
BWD		EP	0 953 854	A1	EPO	11/03/99	1040	11/04	
BWD		WO	99/59272		PCT	11/18/99	1048	14/02	
BWD		WO	99/63374		Laor	12/09/99	385	18x	

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		Number Code ²	Kind (If known)				
BWB		6,047,331		Medard, et al.	4/4/2000	709	239
BWB		6,069,924		Sudo, et al.	5/30/2000	375	330
BWB		6,072,612		Liou, et al.	6/6/2000	385	17
BWB		6,081,361		Adams, et al.	2/27/2000	359	123
BWB		6,097,858		Laor	8/1/2000	385	16
BWB		6,097,859		Solgaard, et al.	8/1/2000	385	17
BWB		6,108,311		Ramaswami, et al.	8/22/2000	370	258
BWB		6,130,876		Chaudhuri	10/10/2000	370	228
BWB		6,147,968		DeMoer, et al.	11/14/2000	370	225
BWB		6,148,124		Aksyuk, et al.	11/14/2000	385	24
BWB		6,160,821		Dolle, et al.	12/12/2000	370	509
BWB		6,188,810	B1	Baney	2/13/2001	385	11
BWB		6,188,814	B1	Bhalla	2/13/2001	385	15
BWB		6,192,172		Fatehi, et al.	2/20/2001	359	124
BWB		6,195,402	B1	Hiramatsu	2/27/2001	375	368
BWB		6,198,571	B1	Yank	3/6/2001	359	337
BWB		6,207,949	B1	Jackel	3/27/2001	250	227.11
BWB		6,222,954	B1	Riza	4/24/2001	385	18
BWB		6,252,689	B1	Sharp	6/26/2001	359	168
BWB		6,253,001	B1	Hoen	6/26/2001	385	17

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BWB		WO	99/63531		Laor	12/09/99	385	18X	
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Bur		6,285,809		Nir, et al.	9/4/2001	385 16	
Bur		6,295,154	B1	Laor, et al.	9/25/2001	359 223	
Bur		6,301,402		Bhalla, et al.	10/9/2001	359 128	
Bur		6,317,530	B1	Ford	11/13/2001	385 17	
Bur		6,374,008		Solgaard, et al.	4/16/2002	359 17	
Bur		6,392,220	B1	Slater, et al.	5/21/2002	250 216	
Bur		6,400,730		Latif, et al.	6/4/2002	370 766	
		6,601,482		Davis	5/9/2000		
		6,816,021		Fatehi, et al.	2/6/2001		

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Bur		WO	00/20899	A2	Xros, Inc.	04/13/00	385 18X	
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Bur		WO	00/30282		PCT	05/25/00	1048 11/04	
Bur		EP	0 857 000	A3	Nippon Electric Co.	08/09/00	1048 10/213	
Bur		WO	00/52865		PCT	09/08/00	1045 11/02	
Bur		WO	00/07945		Nortel Networks Corp	02/01/01	385 18X	

Examiner Signature

B. Healy

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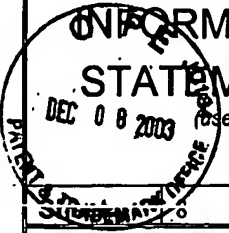
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitut for F rm 1449A/PTO (Modified)		Complete if Kn wn	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/648,025
		Filing Date	August 26, 2003
		First Named Inventor:	Rajiv Ramaswami
		Group Art Unit	2872
		Examiner Name	Unassigned
		Attorney Docket Number	3239P081D



OTHER ART – NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
Bmt		A. HIMENO, R. NAGASE, T. ITO, K.KATO AND M. OKUNO; Photonic Inter-Module Connector Using 8x8 Optical Switches for Near-Future Electronic Switching Systems; IEICE Transactions on Communications; E77-B (1994) February, No. 2, Tokyo, JP	
Bmt		LIN, L.Y. et al.; Micro-Electro-Mechanical Systems (MEMS) for WDM Optical-Crossconnect Networks, Milcom 1999; IEEE Military Communications Conf Proceedings; Atlantic City, NJ 10/31-11/3/99; pgs. 954-957.	
Bmt		S. OKAMOTO, et al.; Optical Path Cross-Connect Node Architectures for Photonic Transport Network, Journal of Lightwave Technology, Vol. 14, No. 6, June 1996, pgs. 1410-1422.	
Bmt		GUSTAFFSON, K. & HOK, B., A Batch-Processed Optical Scanner Proc. 12th Nordic Semiconductor Meeting, Jevnaker (Oslo: Center for Industrial Research) pp. 282-285, 1996.	
Bmt		GUSTAFFSON, K. & HOK, B., Fiberoptic Switching and Multiplexing with a Micromechanical Scanning Mirror, Digest of Technical Papers, 4th Int. Conf. On Solid State Sensors and Actuators (Tokyo: Institute of Electrical Engineers of Japan) pp. 212-215, 1985.	
Bmt		GUSTAFFSON, K. & HOK, B., A Silicon Light Modulator, Journal of Physics E. Scientific Instruments 21, pp. 608, 1998.	
Bmt		LIN L.Y., et al., Free-Space Micromachined Optical-Switching Technologies and Architectures, OFC/100C '00, February 21-26, 1999.	
Bmt		LAOR, H., et al., Performance of a 576x576 Optical Cross Connect, NFOEC-99.	
Bmt		Types and Characteristics of SDH Network Protection Architectures; ITU-T Recommendation G.841 10/98.	
Bmt		RAJIV RAMASWAMI & KUMAR SIVARAJAN, Optical Networks: A Practical Perspective, Morgan Kaufmann Pub. 1998, pp 152-161.	
Bmt		RAJIV RAMASWAMI & KUMAR SIVARAJAN, Optical Networks: A Practical Perspective, Morgan Kaufmann Pub. 1998, pp 423-462.	
Bmt		CHAD WHITE, The Photonic Switch Completes the Much-Vaunted All-Optical Network, Technology Investor, October 2000, pp 28-31.	

Examiner Signature	<i>B. Healy</i>	Date Considered	6/18/04
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Substitut for F rm 1449A/PTO (Modified)		Comple if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (as many sheets as necessary)		Application Number	10/648,025
		Filing Date	August 26, 2003
		First Named Inventor:	Rajiv Ramaswami
		Group Art Unit	2872 2874
		Examiner Name	Unassigned Healy
		Attorney Docket Number	3239P081D
of 9			
OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
BWH	1	BISCHOFF, et al., Operation and Maintenance for an All-Optical Transport Network, IEEE Communications, Magazine, pp 136-142, 11/1996.	
BWH	2	LIN, et al., Free-Space Micromachined Optical Switches with Submillisecond Switching Time for Large-Scale Optical Crossconnects, pp 525-527, 04/1998.	
BWH	3	KAUFMAN, et al., The Optical Internet, A New Network Architecture, pp 1-13.	
BWH	4	SIMON, et al., All Optical Regeneration, IEEE, pp 53-54.	
BWH	5	PETER WONG & MARK YIN, An Economic Analysis for Core Optical Transport Networks.	
BWH	6	CRAIG LABOVITZ, ABHA AHUJA, FARNAM JAHANAIAAN, Experimental Study of Internet Stability and Backbone Failures, IEEE, pp 278-285, 1999.	
		NONE of Applications	
		were Recieve	

Examiner Signature	B. Healy	Date Considered	6/15/04
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